



Environmentally Responsible Lamps

U-Bent Rapid Start T8

Philips leads the industry with the lowest level mercury technology. Reducing the mercury level (source reduction) during the manufacturing phase is essential to creating products that are less harmful to the environment.

Benefits

- Sustainable Lighting Solution with ALTO Lamp Technology - low mercury and energy efficient.
- 95% Lumen Maintenance.
- 24 month warranty period.

Features

- Full Line of 6" Leg Spacing.
- Outstanding Lumen Performance.
- HI-VISION® Phosphor.
- Reduces the impact on the environment.
- Low mercury.
- Energy efficient.
- Available in 32 watts with 3000, 3500, 4100, and 5000 color Temperatures.

Application

- Ideal for commercial applications with 2' x 2' fixtures.

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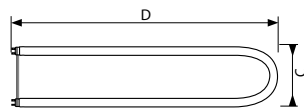
Versions



G13, T8-6U

G13, T8-1 5/8 U

Dimensional drawing



Approval and Application	
Energy Saving Product	Energy Saving
Mercury (Hg) Content (Nom)	3.0 mg
General Information	
Cap-Base	G13

Approval and Application

Order Code	Full Product Name	Picogram Per Lumen Hour
927860083002	FB32T8/TL830/6 ALTO 20PK	59 pg/lm.h
927860083502	FB32T8/TL835/6 ALTO 20PK	59 pg/lm.h
927860084102	FB32T8/TL841/6 ALTO 20PK	59 pg/lm.h
927860085003	FB32T8/TL850/6 ALTO 20PK	60 pg/lm.h
927861283002	FB31T8/TL830/ALTO 15/1	-

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
927860083002	FB32T8/TL830/6 ALTO 20PK	32 W
927860083502	FB32T8/TL835/6 ALTO 20PK	32 W
927860084102	FB32T8/TL841/6 ALTO 20PK	32 W
927860085003	FB32T8/TL850/6 ALTO 20PK	32 W

Product	
FB32T8/TL841/6 ALTO 20PK	
FB29T8/TL835/EW/ALTO 15/1	
FB32T8/TL850/6 ALTO 20PK	
FB32T8/TL835/6 ALTO 20PK	
FB32T8/TL830/6 ALTO 20PK	
FB31T8/TL830/ALTO 15/1	
FB31T8/TL841/ALTO 15/1	
FB29T8/TL841/EW/ALTO 15/1	
FB31T8/TL835/ALTO 15/1	

Order Code	Full Product Name	Picogram Per Lumen Hour
927861283502	FB31T8/TL835/ALTO 15/1	-
927861284101	FB31T8/TL841/ALTO 15/1	-
927861383502	FB29T8/TL835/EW/ALTO 15/1	-
927861384102	FB29T8/TL841/EW/ALTO 15/1	-

Order Code	Full Product Name	Power (Rated) (Nom)
927861283002	FB31T8/TL830/ALTO 15/1	31 W
927861283502	FB31T8/TL835/ALTO 15/1	31 W
927861284101	FB31T8/TL841/ALTO 15/1	31 W
927861383502	FB29T8/TL835/EW/ALTO 15/1	29 W

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Order Code	Full Product Name	Power (Rated) (Nom)
927861384102	FB29T8/TL841/EW/ALTO 15/1	29 W

General Information

Order Code	Full Product Name	Life 3-Hr Start [Hrs]
927860083002	FB32T8/TL830/6 ALTO 20PK	20000 h
927860083502	FB32T8/TL835/6 ALTO 20PK	20000 h
927860084102	FB32T8/TL841/6 ALTO 20PK	20000 h
927860085003	FB32T8/TL850/6 ALTO 20PK	20000 h
927861283002	FB31T8/TL830/ALTO 15/1	24000 h

Order Code	Full Product Name	Life 3-Hr Start [Hrs]
927861283502	FB31T8/TL835/ALTO 15/1	24000 h
927861284101	FB31T8/TL841/ALTO 15/1	24000 h
927861383502	FB29T8/TL835/EW/ALTO 15/1	24000 h
927861384102	FB29T8/TL841/EW/ALTO 15/1	24000 h

Light Technical

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Design Mean Lumens	Luminous Flux (Nom)
927860083002	FB32T8/TL830/6 ALTO 20PK	TL830	TL830	3000 K	85	2535 lm	2800 lm
927860083502	FB32T8/TL835/6 ALTO 20PK	TL835	TL835	3500 K	85	2535 lm	2800 lm
927860084102	FB32T8/TL841/6 ALTO 20PK	TL841	TL841	4100 K	85	2535 lm	2800 lm
927860085003	FB32T8/TL850/6 ALTO 20PK	TL850	TL850	5000 K	84	2500 lm	2750 lm
927861283002	FB31T8/TL830/ALTO 15/1	TL830	TL830	3000 K	85	2430 lm	2750 lm
927861283502	FB31T8/TL835/ALTO 15/1	TL835	TL835	4100 K	85	2430 lm	2750 lm
927861284101	FB31T8/TL841/ALTO 15/1	TL841	-	4100 K	85	2430 lm	2750 lm
927861383502	FB29T8/TL835/EW/ALTO 15/1	TL835	-	4100 K	85	2300 lm	2550 lm
927861384102	FB29T8/TL841/EW/ALTO 15/1	TL841	-	4100 K	85	2300 lm	2550 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
927860083002	FB32T8/TL830/6 ALTO 20PK	T8-6U
927860083502	FB32T8/TL835/6 ALTO 20PK	T8-6U
927860084102	FB32T8/TL841/6 ALTO 20PK	T8-6U
927860085003	FB32T8/TL850/6 ALTO 20PK	T8-6U
927861283002	FB31T8/TL830/ALTO 15/1	T8-1-5/8U

Order Code	Full Product Name	Bulb Shape
927861283502	FB31T8/TL835/ALTO 15/1	T8-1-5/8U
927861284101	FB31T8/TL841/ALTO 15/1	T8-1-5/8U
927861383502	FB29T8/TL835/EW/ALTO 15/1	T8-1-5/8U
927861384102	FB29T8/TL841/EW/ALTO 15/1	T8-1-5/8U

